

DISCO 4000

SERVICE MANUAL

Professional Turntable



CEC.
Chuo Denki

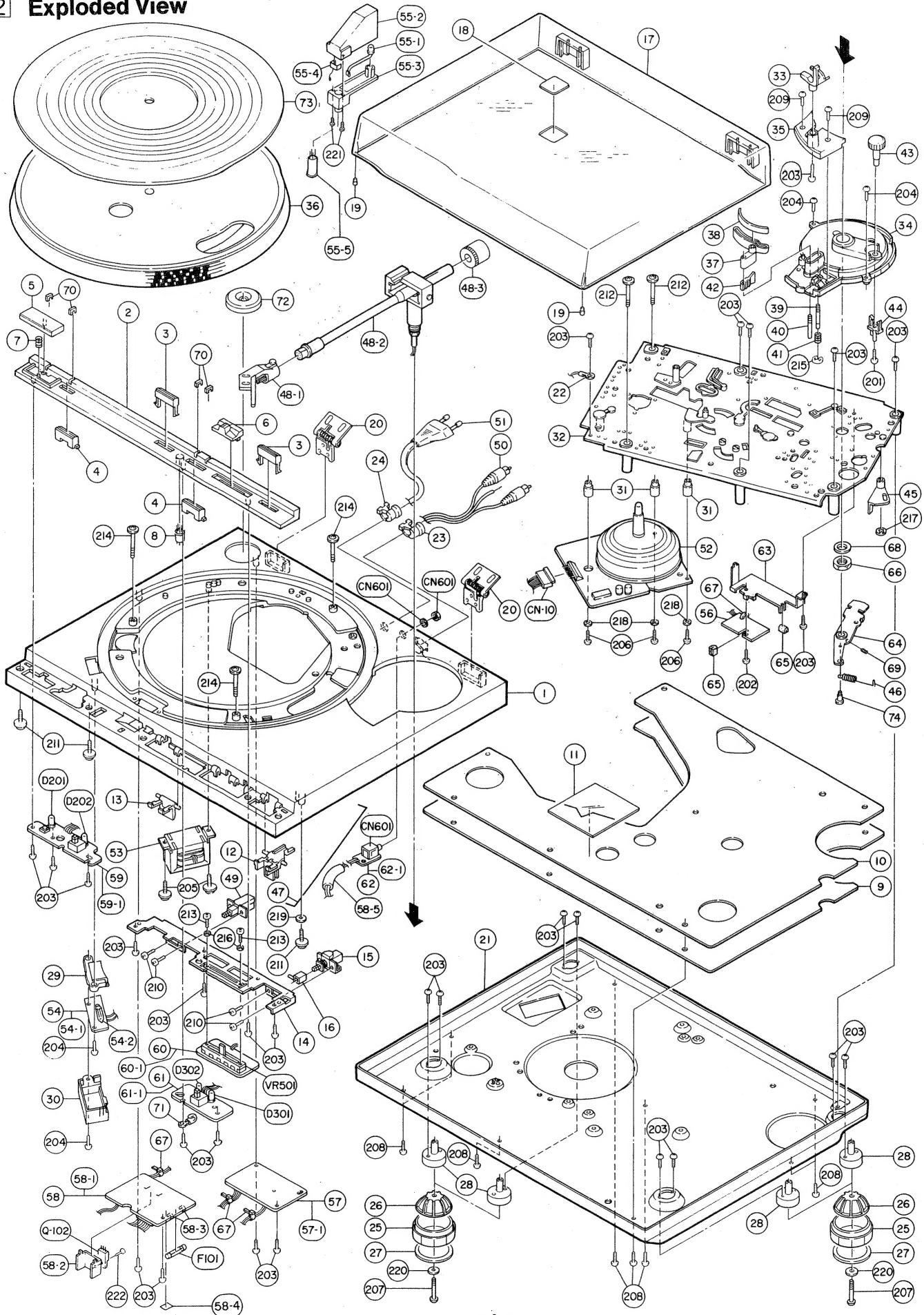
1 Parts List

| Ref. No. | Parts No. | Description | Q'ty | Ref. No. | Parts No. | Description | Q'ty |
|----------|-----------------|-----------------------|-------|----------|-----------------|------------------------------|------|
| 1 | D 10054010 | Cabinet | EUR 1 | 55 | C 49189000 | Stylus illuminator | 1 |
| 1 | D 10054140 | Cabinet | AUS 1 | 55-1 | C 32118000 | Lamp | 1 |
| 2 | D 10070000 | Panel front | 1 | 55-2 | D 49188000 | Shade lamp | 1 |
| 3 | D 49179000 | Knob, cueing/power | 2 | 55-3 | D 32121000 | Base lamp | 1 |
| 4 | D 49178000 | Knob, quartz/speed | 2 | 55-4 | F 49213000 | Cord assy (1P) | 1 |
| 5 | D 49170000 | Knob, start/stop | 1 | 55-5 | D 46411010 | Connector Jack | 1 |
| 6 | D 32107000 | Knob, pitch | 1 | | | | |
| 7 | E 49199000 | Spring | 1 | 56 | 42262079500 | Printed circuit board, phono | 1 |
| 8 | D 46403010 | Connector plug | 1 | 57 | C 32112400 | PC assy, power | 1 |
| 9 | D 32110000 | Sheet, rubber | 1 | 57-1 | F 32113400 | Printed circuit board | 1 |
| 10 | A 32109000 | Plate | 1 | △ C401 | 422397090000 | CK 0.01μF 250V | 1 |
| | | | | △ R401 | RH473102JZ0002 | RH 1W 47K J | 1 |
| 11 | F 49172000 | Sheet | 1 | 58 | C 32112100 | PC assy, control | 1 |
| 12 | D 31753000 | Hinge, cueing | 1 | 58-1 | F 32113100 | Printed circuit board | 1 |
| 13 | D 48521000 | Hinge, power | 1 | 58-2 | 131 26201215000 | Plate heat sink | 1 |
| 14 | A 32108000 | Angle mount | 1 | 58-3 | 42359230800 | Fuse clip | 2 |
| 15 | 42312024000 | SW, push 1 key (0) | 1 | 58-4 | H 47577140 | Label | 1 |
| 16 | 134 24109200000 | Pin, SW push | 1 | 58-5 | 54631001400000 | Tube | 1 |
| 17 | D 20983000 | Lid | 1 | △ F101 | 42342002500 | Fuse 630mA | 1 |
| 18 | K 47998000 | Plate, lid | EUR 1 | C101 | CD1055000001V0 | CD V 1MF 50V | 1 |
| 18 | K 48314000 | Plate, lid | AUS 1 | C102 | F 48913010 | Elect 470MF 35V | 1 |
| 19 | 131 22904134000 | Pad, lid | 2 | C103 | CD4762500001V0 | CD V 47MF 25V | 1 |
| 20 | K 47869000 | Hinge | 2 | C104 | CD1072500001V0 | CD V 100MF 25V | 1 |
| | | | | C105 | CD1062500001V0 | CD V 10MF 25V | 1 |
| 21 | A 20987020 | Bottom plate | 1 | C106 | CD4752500001V0 | CD V 4.7MF 25V | 1 |
| 22 | F 49182000 | Cord assy | 1 | D101 | 20252470135400 | Diode DS135D | 1 |
| 23 | 131 26111148000 | Bushing, phono | 1 | D102 | 20559040442100 | Diode DS442 | 1 |
| 24 | D 44421000 | Bushing, power | 1 | D103 | 20253210200111 | Diode GZA-20X | 1 |
| 25 | 131 21801136000 | Leg | 4 | △ D104 | DGG W02 | Diode W02 | 1 |
| 26 | 131 25203244000 | Felt | 4 | IC101 | 20658584049100 | IC LC4049B | 1 |
| 27 | 134 25205175000 | Cushion | 4 | IC102 | F 49186000 | IC LC4027B | 1 |
| 28 | D 49171000 | Base, leg | 4 | Q101 | 20355000536500 | TR 2SC536E, F | 1 |
| 29 | D 31726000 | Filter | 1 | Q102 | 20358570330400 | TR 2SD330D, E | 1 |
| 30 | D 31727000 | Cover | 1 | R101 | RD104251JM0000 | RD M 1/4W 100K J | 1 |
| | | | | R102 | RD474251JM0000 | RD M 1/4W 470K J | 1 |
| 31 | B 49173000 | Spacer | 3 | R103 | RD471251JM0000 | RD M 1/4W 470 J | 1 |
| 32 | D 20994000 | Unit plate | 1 | R104 | RD471251JM0000 | RD M 1/4W 470 J | 1 |
| 33 | C 48506000 | Arm rest assy | 1 | R105 | RD473251JM0000 | RD M 1/4W 47K J | 1 |
| 34 | D 20988090 | Base pick up | 1 | R106 | RD104251JM0000 | RD M 1/4W 100K J | 1 |
| 35 | D 31752090 | Base arm rest | 1 | R107 | RD103251JM0000 | RD M 1/4W 10K J | 1 |
| 36 | D 20451040 | Turntable platter | 1 | R108 | RD473251JM0000 | RD M 1/4W 47K J | 1 |
| 37 | D 31338000 | Support arm | 1 | R109 | RD472251JM0000 | RD M 1/4W 4.7K J | 1 |
| 38 | 134 25205136000 | Cushion | 1 | R110 | RD152251JM0000 | RD M 1/4W 1.5K J | 1 |
| 39 | B 48528000 | Spindle lifting | 1 | R111 | RD270251JM0000 | RD M 1/4W 27 J | 1 |
| 40 | B 48529000 | Screw | 1 | R112 | RD103251JM0000 | RD M 1/4W 10K J | 1 |
| | | | | CN10P | F 49181000 | Connector 10P assy | 1 |
| 41 | E 48527000 | Spring | 1 | 59 | C 32112200 | PC assy, play | 1 |
| 42 | D 48538000 | Actuator | 1 | 59-1 | F 32113200 | Printed circuit board | 1 |
| 43 | D 48535090 | Knob, IFC | 1 | 59-2 | 42312058010 | Key board SW | 1 |
| 44 | 134 22106124000 | Holder | 1 | 59-3 | F 31706000 | SW, push 1 key | 1 |
| 45 | 134 24123208000 | Arm | 1 | D201 | F 31834000 | LED LN21RCPHL | 1 |
| 46 | E 49209000 | Spring | 1 | D202 | F 31834000 | LED LN21RCPHL | 1 |
| 47 | E 48540000 | Rod | 1 | R201 | RD332251JM0000 | RD M 1/4W 3.3K J | 1 |
| 48 | C 31910200 | Tonearm assy | 1 | R202 | RD332251JM0000 | RD M 1/4W 3.3K J | 1 |
| 48-1 | C 48700200 | Headshell assy | 2 | | | | |
| 48-2 | C 31910000 | Arm assy | 1 | 60 | C 32112500 | PC assy, volume | 1 |
| 48-3 | C 49207000 | Weight assy | 1 | 60-1 | F 32113500 | Printed circuit board | 1 |
| 49 | F 31827010 | Power switch | 1 | J2P | 131 29800010550 | Jumper, 2P | 1 |
| 50 | F 31324030 | Wire shield assy | EUR 1 | VR501 | F 32116000 | VR, 1K-B | 1 |
| 50 | F 31324030 | Wire shield assy | AUS 1 | | | | |
| △ 51 | 42432000710 | Power cord | EUR 1 | 61 | C 32112300 | PC assy, speed | 1 |
| △ 51 | F 47710010 | Power cord | AUS 1 | 61-1 | F 32113300 | Printed circuit board | 1 |
| 52 | F 32119000 | DD Motor | 1 | 61-2 | F 31706000 | SW, push 1 key | 1 |
| △ 53 | F 32117400 | Power trans | EUR 1 | D301 | F 32115000 | LED (G) | 1 |
| △ 53 | F 32117600 | Power trans | AUS 1 | D302 | F 31834000 | LED LN21RCPHL | 1 |
| | | | | R301 | RD332251JM0000 | RD M 1/4W 3.3K J | 1 |
| 54 | 141 01939040400 | PC assy, neon | 1 | J3P | 131 29800010510 | Jumper, 3P | 1 |
| 54-1 | 42262043600 | Printed circuit board | 1 | | | | |
| △ 54-2 | 46129706400 | Neon lamp | 1 | | | | |

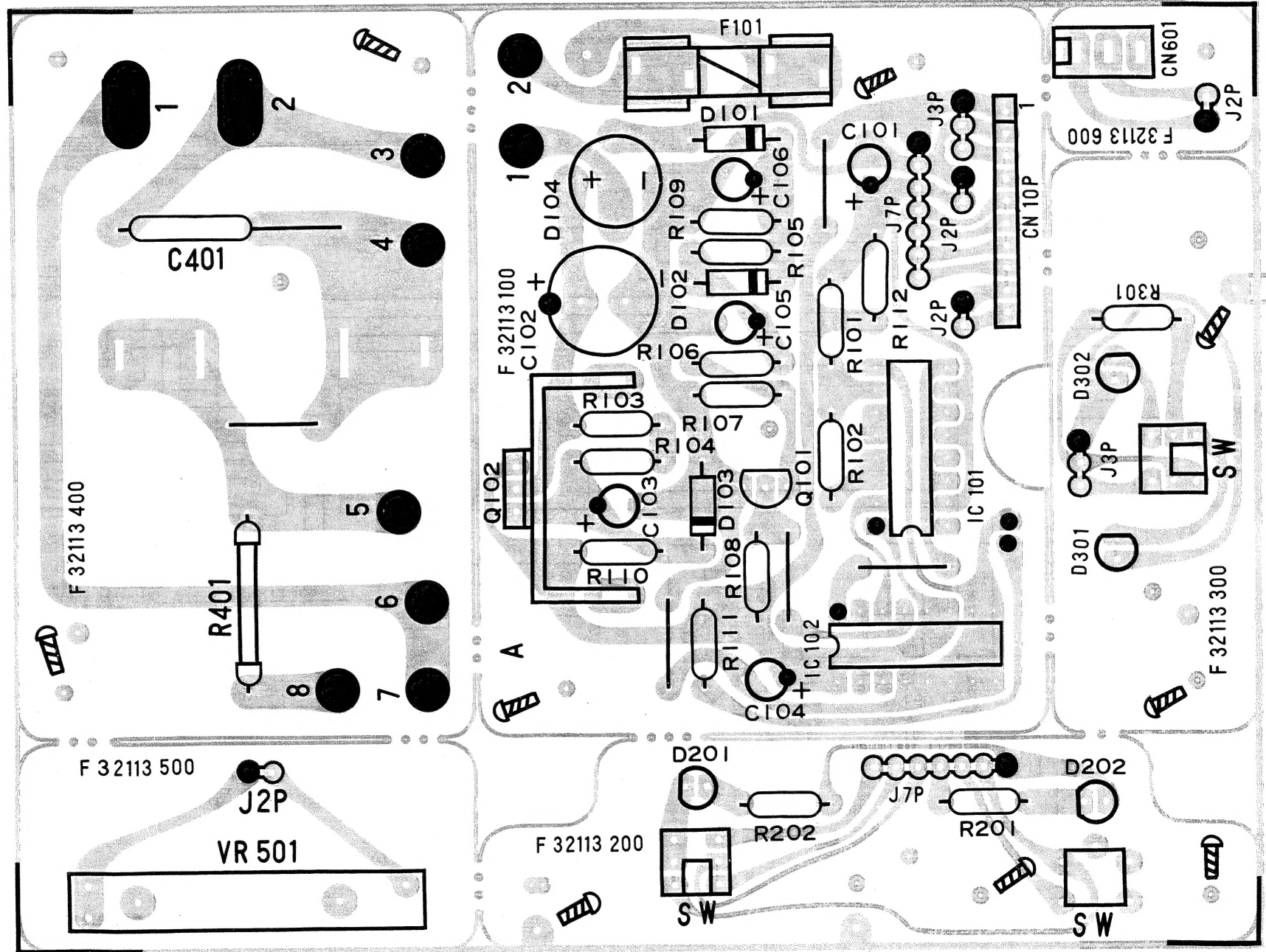
| Ref. No. | Parts No. | Description | Q'ty | Ref. No. | Parts No. | Description | Q'ty |
|----------|-----------------|-----------------------|------|----------|------------|-----------------------|-------|
| 62 | C 32112600 | PC assy, remote | 1 | | H 32122000 | Carton box | EUR 1 |
| 62-1 | F 32113600 | Printed circuit board | 1 | | H 32122020 | Carton box | AUS 1 |
| J2P | 131 29800010550 | Jumper, 2P | 1 | | D 21082000 | Pad, front | 1 |
| CN601 | F 32120000 | Jack | 1 | | D 21083000 | Pad, rear | 1 |
| 63 | A 48532000 | Angle mount | 1 | | H 31766710 | Owner's manual | EUR 1 |
| 64 | C 49228000 | Plate assy | 1 | | H 31766740 | Owner's manual | AUS 1 |
| 65 | 134 25205120000 | Cushion | 2 | | H 48494000 | Stylus position gauge | 1 |
| 66 | B 47284000 | Nut (M12) | 1 | | F 32124000 | Cord assy, remote | 1 |
| 67 | D 45269000 | Cramp wire | 8 | | H 31538010 | Warranty card | AUS 1 |
| 68 | A 46556000 | Washer | 1 | | | | |
| 69 | 131 24201151020 | Screw | 1 | | | | |
| 70 | D 49174000 | Indicator | 4 | | | | |
| 71 | F 46081000 | Cramp, speed PCB | 1 | | | | |
| 72 | D 43100000 | 45 rpm adapter | 1 | | | | |
| 73 | 134 26102157020 | Turntable platter mat | 1 | | | | |

| Ref. No. | Part No. | Description | Size | Q'ty |
|----------|-----------------|---|-------------|------|
| 201 | 131 24201208000 | Pan head screw | M2.6 × 6 | 1 |
| 202 | 131 24211950000 | Brazier head taptite screw B | Ø3 × 6 | 4 |
| 203 | 131 24211950100 | Brazier head taptite screw B | Ø3 × 8 | 28 |
| 204 | 131 24211950200 | Brazier head taptite screw B | Ø3 × 10 | 4 |
| 205 | 131 24211950300 | Brazier head taptite screw B | Ø3 × 12 | 2 |
| 206 | 131 24201190700 | Brazier head taptite screw B | Ø3 × 25 | 3 |
| 207 | 143 31903040110 | Brazier head taptite screw B | Ø3 × 40 | 4 |
| 208 | 143 31903008180 | Brazier head taptite screw B (black) | Ø3 × 8 | 8 |
| 209 | 143 31903012180 | Brazier head taptite screw B (black) | Ø3 × 12 | 2 |
| 210 | 131 24201199000 | Pan head sems screw with spring washer (Ø3) | M3 × 6 | 4 |
| 211 | R 48014040 | Brazier head taptite sems screw B with plain washer (Ø10 × 1) | Ø3 × 8 | 3 |
| 212 | 135 31903040110 | Pan head taptite sems screw B with plain washer (Ø16 × 1) | Ø3 × 40 | 2 |
| 213 | 101 31302003110 | Pan head screw | M2 × 3 | 2 |
| 214 | R 48563010 | Screw | Ø4 × 55 | 3 |
| 215 | 108 31102000030 | E type washer | Ø2 | 1 |
| 216 | 105 31202000010 | Spring washer | Ø2 | 2 |
| 217 | 131 24220105020 | Ring snap | Ø3 | 1 |
| 218 | 141 24539368000 | Wave washer | Ø3 | 3 |
| 219 | R 48554000 | Nylon washer | Ø3 × 12 × 1 | 1 |
| 220 | 131 24203832050 | Plain washer | Ø3 × 12 × 1 | 4 |
| 221 | 102 32203006010 | Brazier head taptite screw | Ø3 × 6 | 2 |

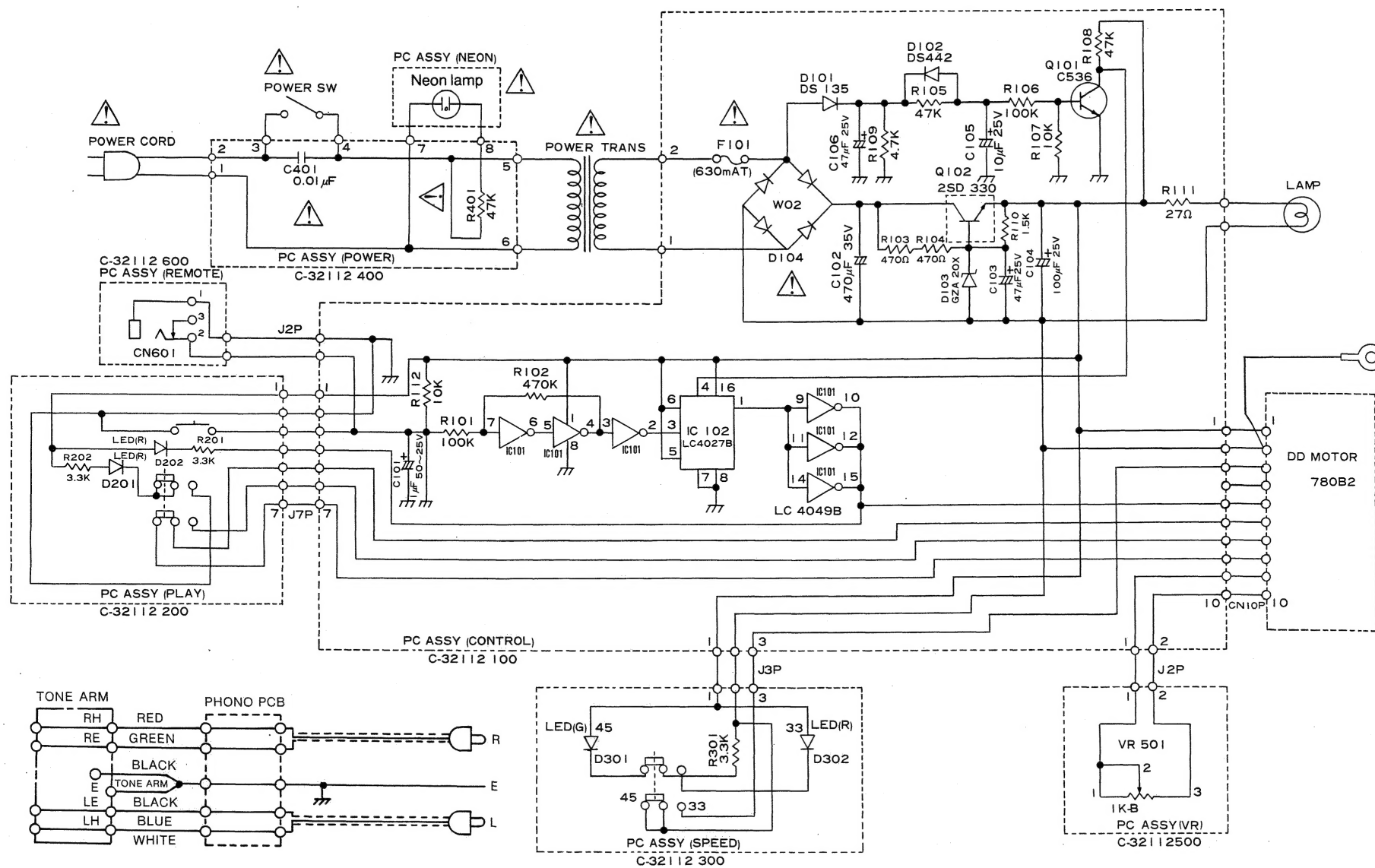
2 Exploded View



3 Printed Wiring Board



4 Schematic Diagram



5 Controller Circuit Diagram

